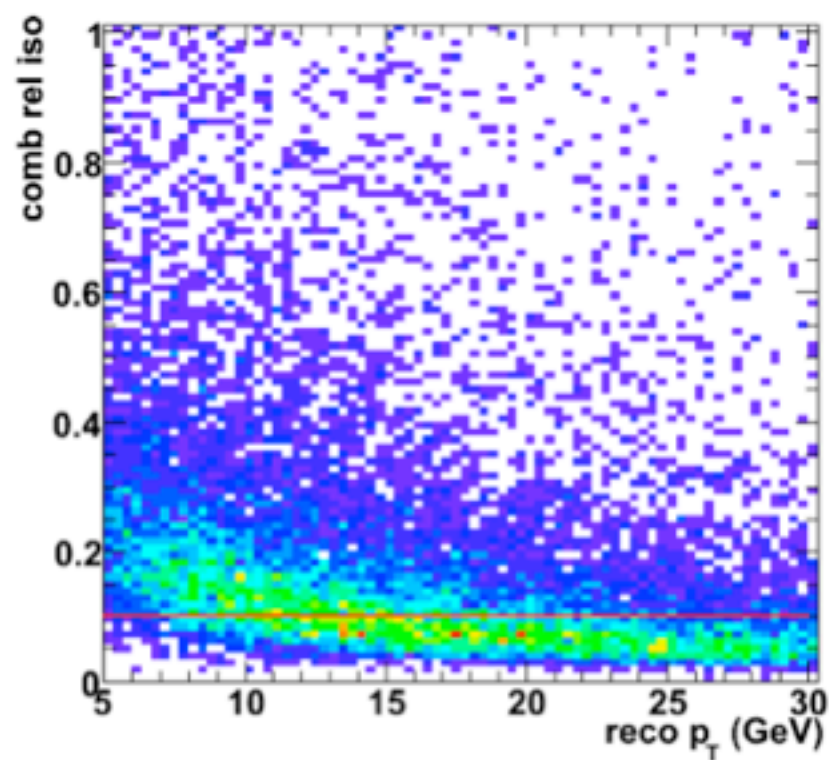
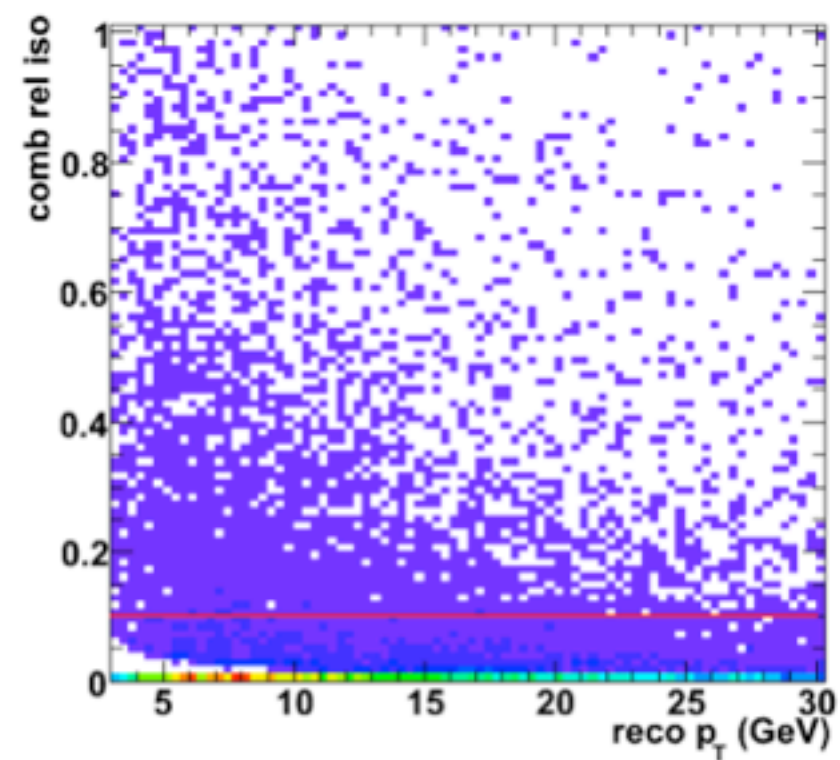


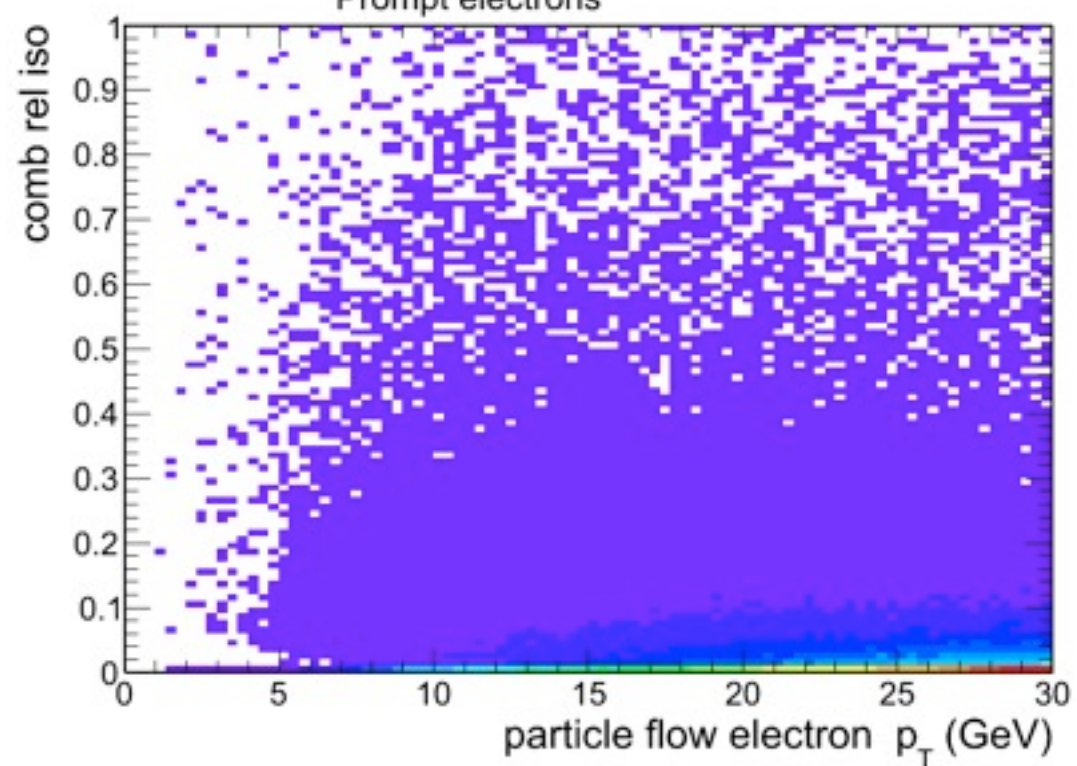
Prompt electrons



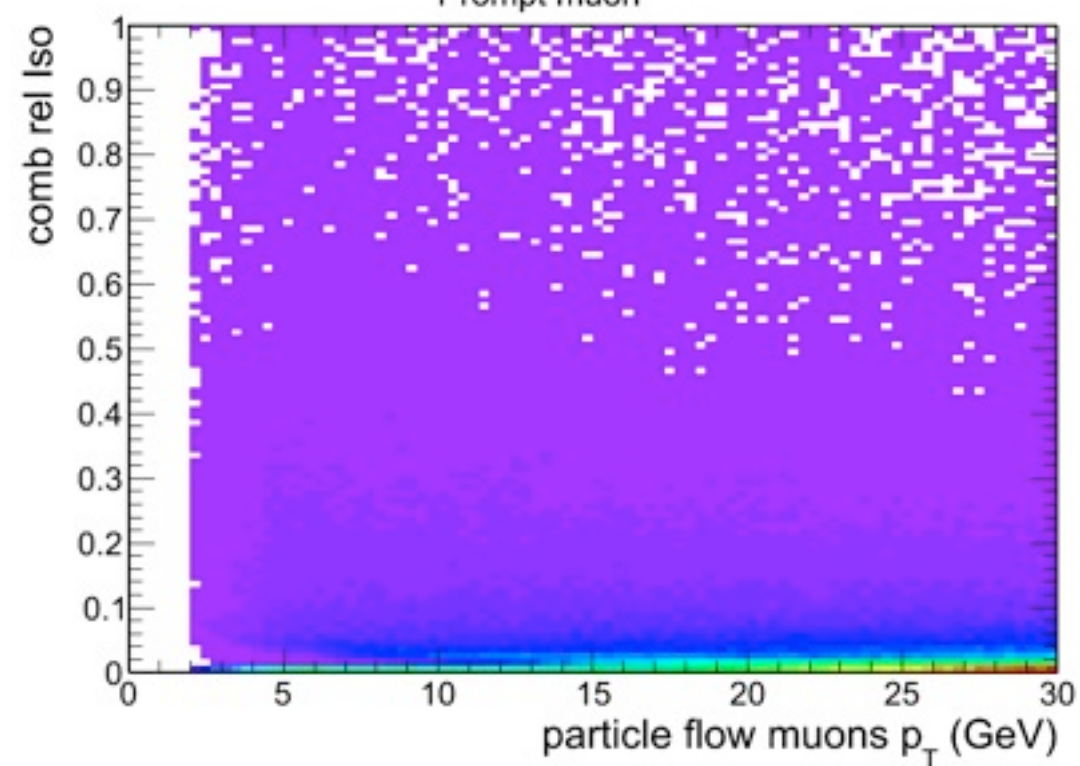
Prompt muons



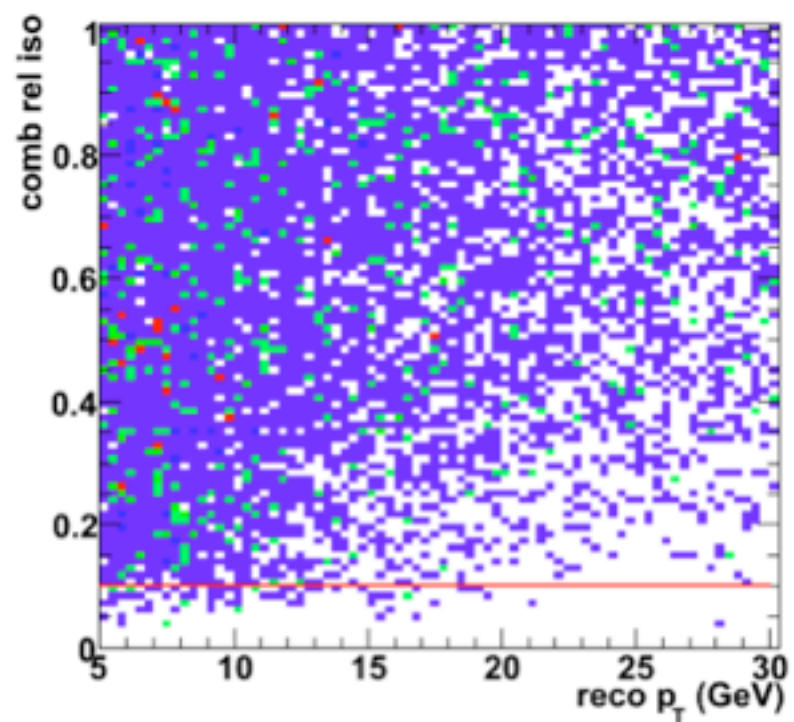
Prompt electrons



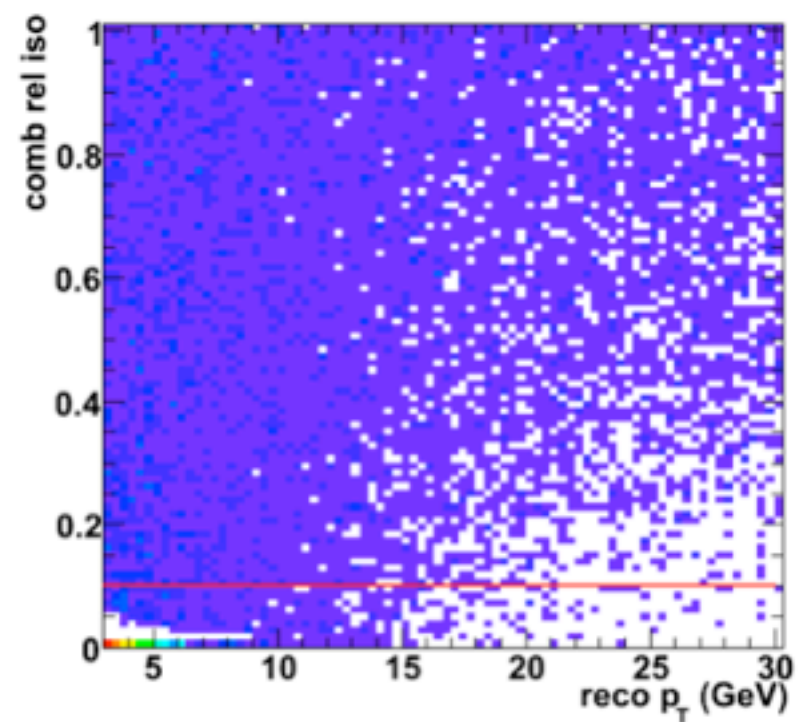
Prompt muon



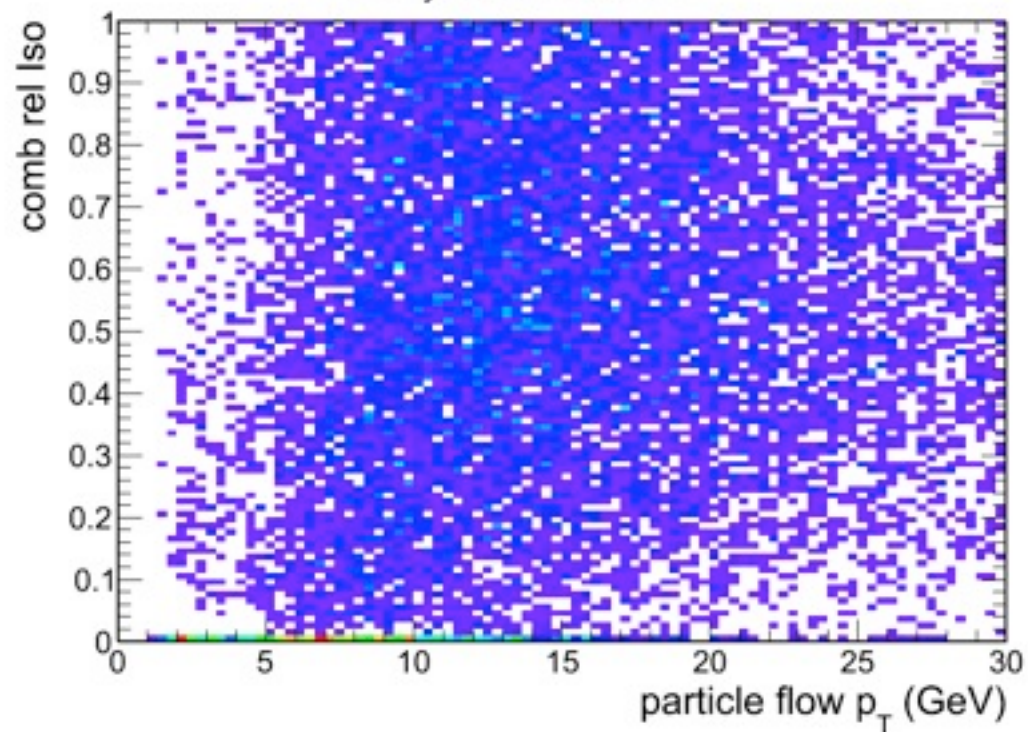
Heavy-flavor electrons



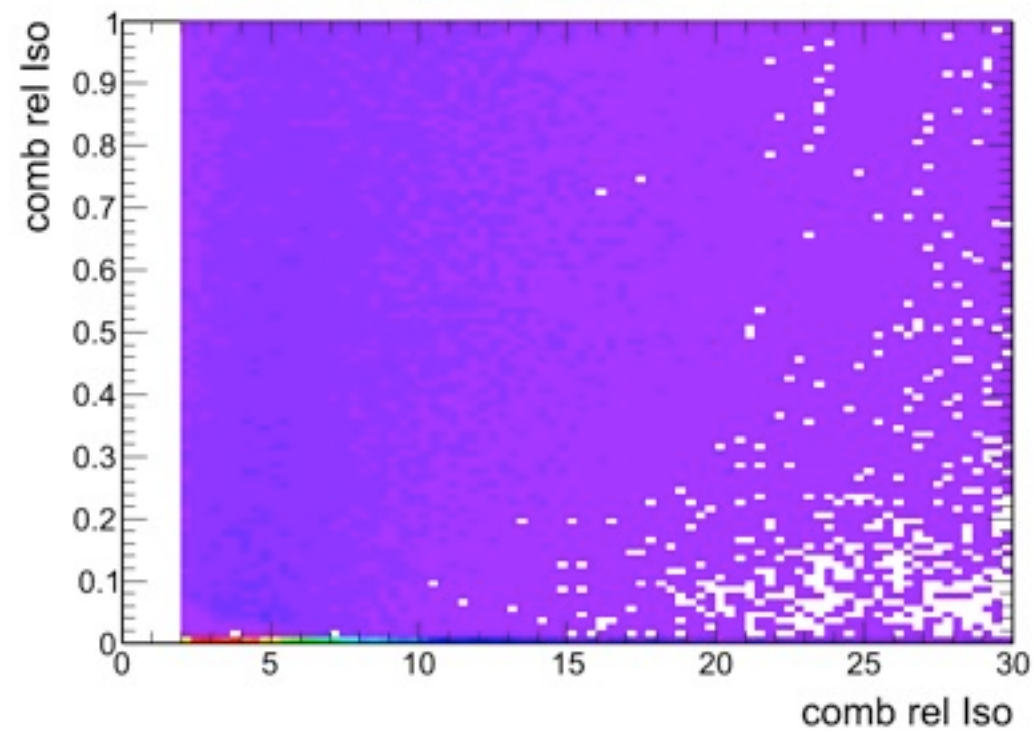
Heavy-flavor muons



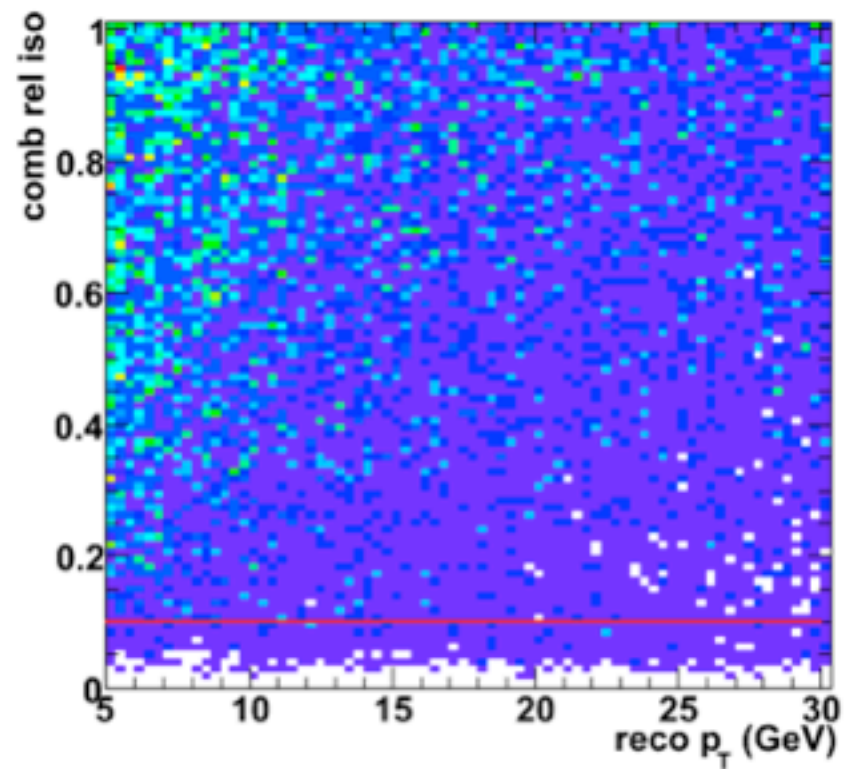
Heavy-flavor electrons



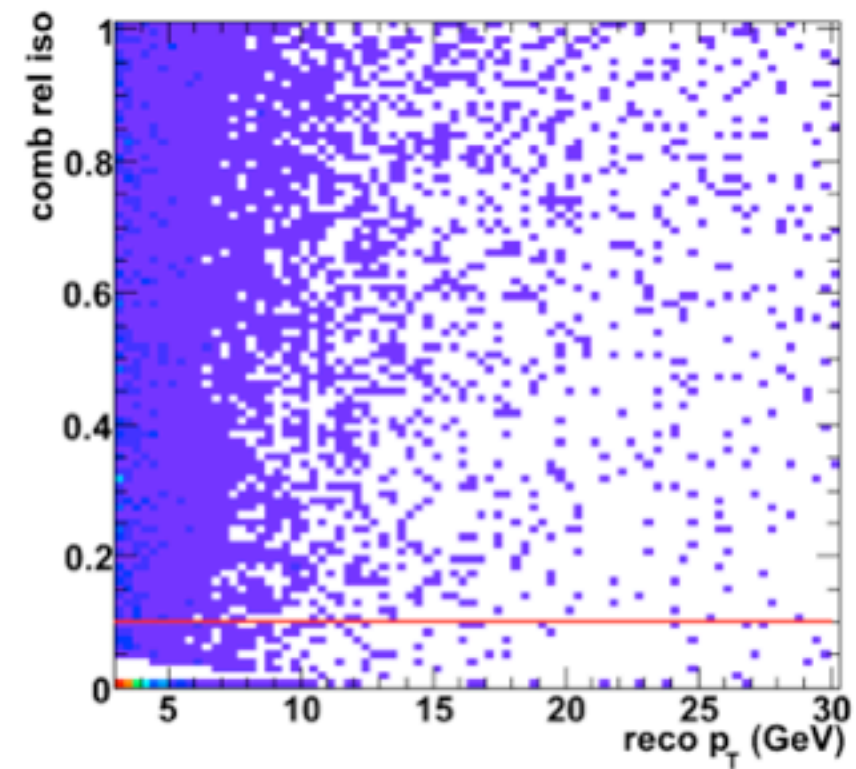
Heavy-flavor muons



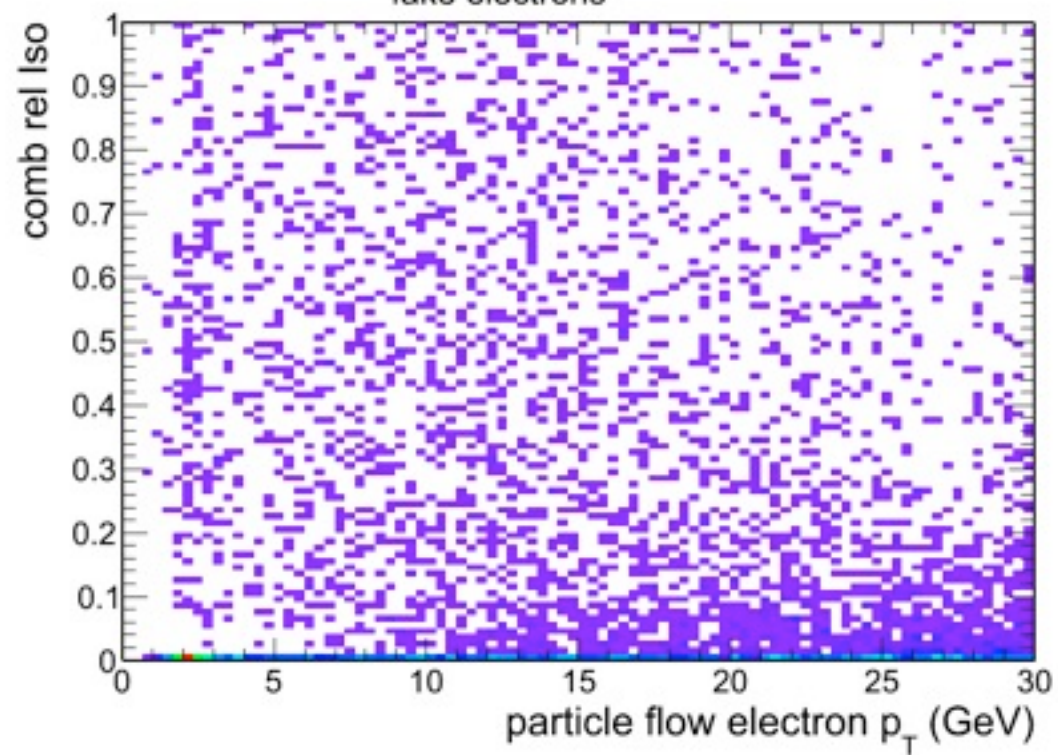
Fake electrons



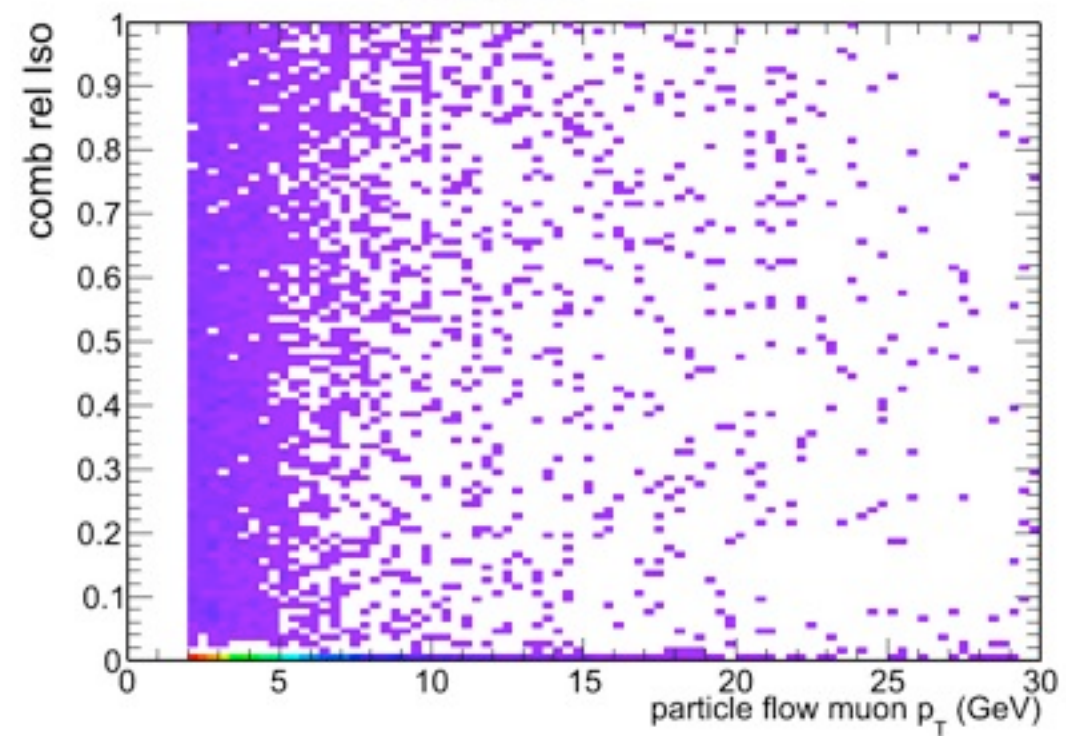
Fake muons



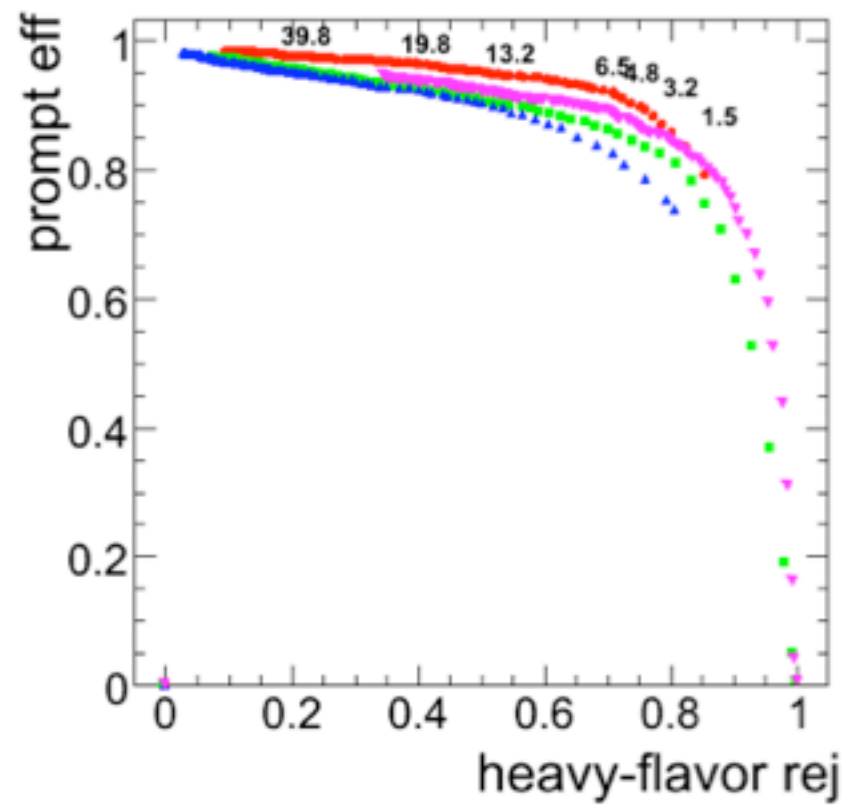
fake electrons



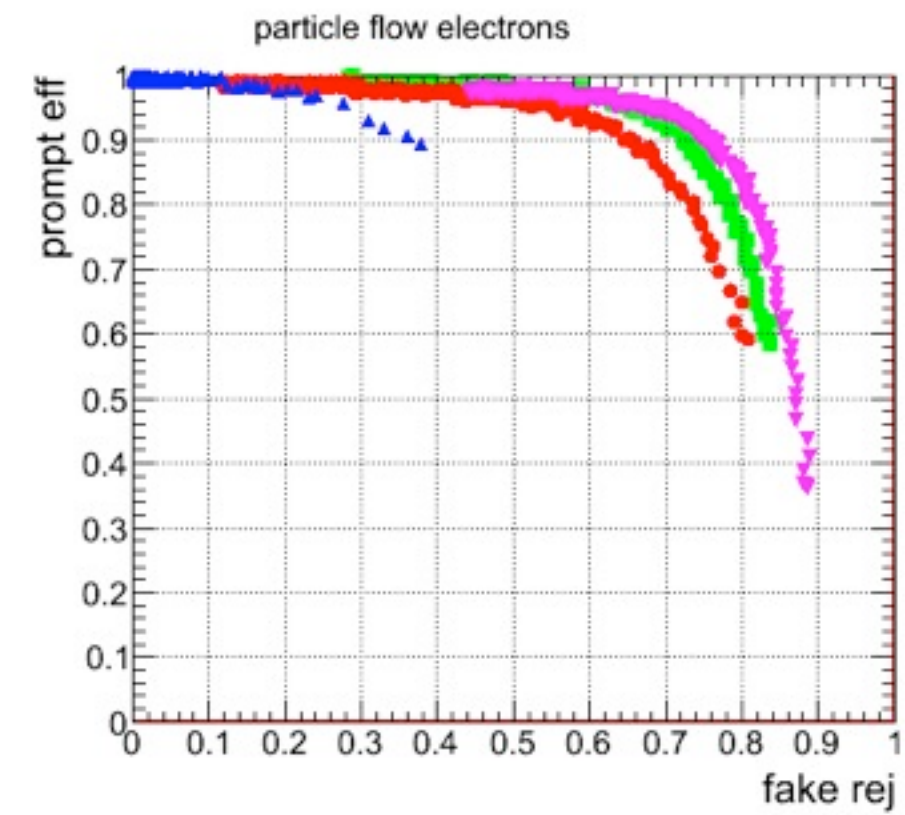
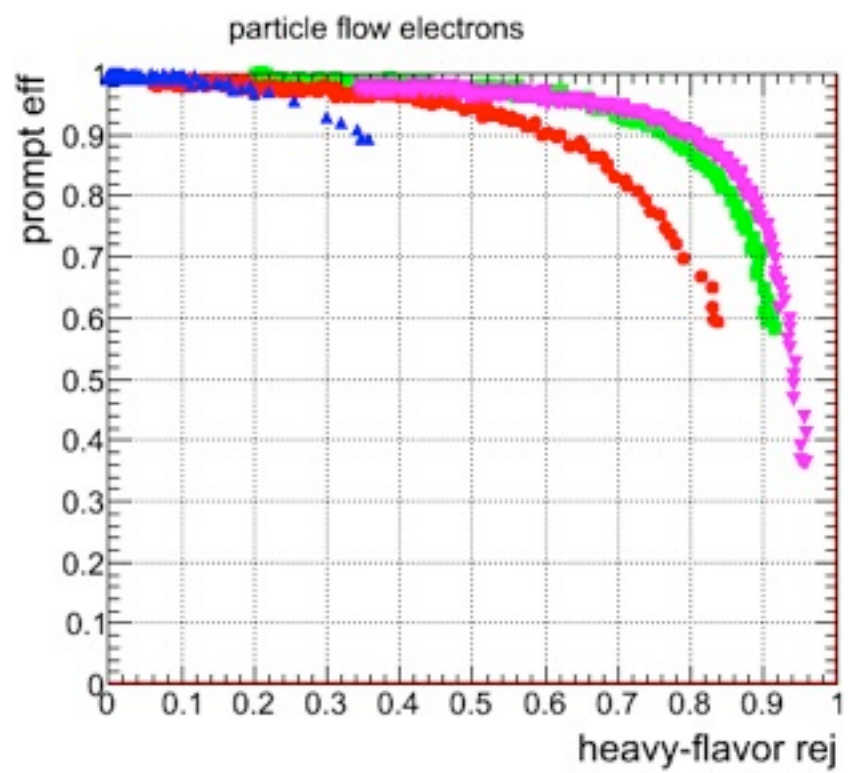
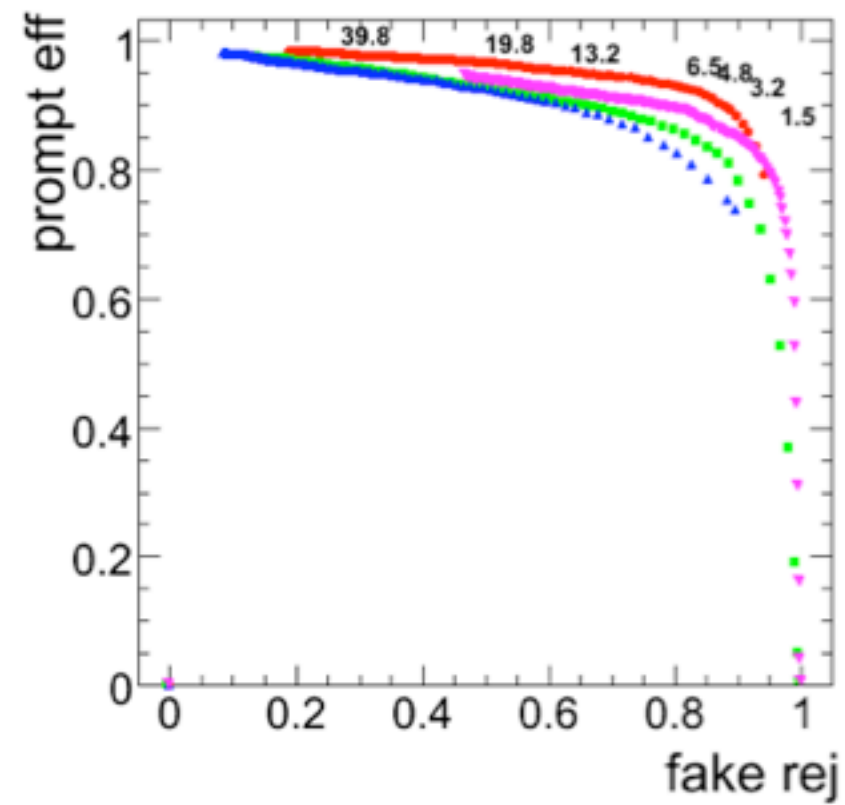
Fake muons



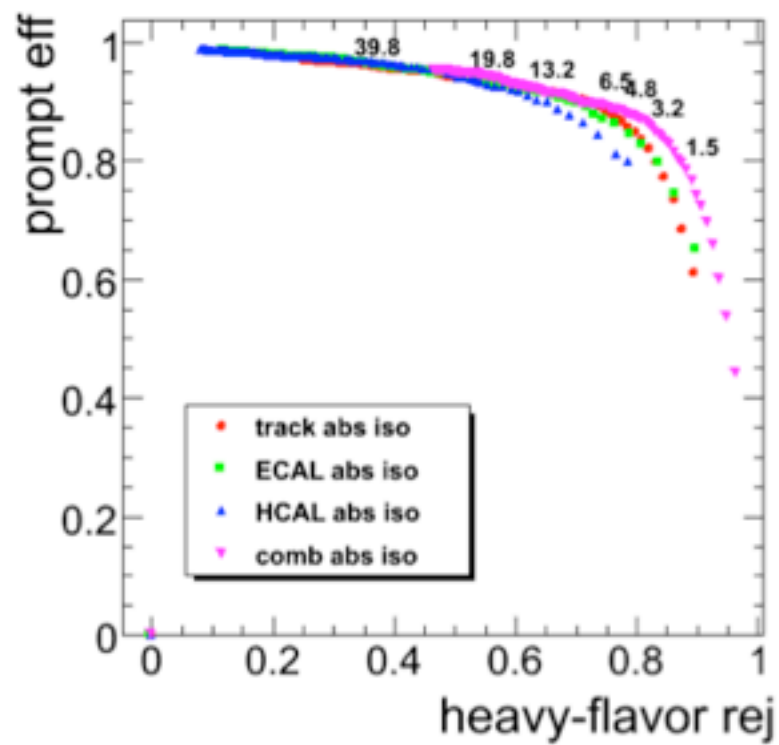
Electrons, 5 - 10 GeV



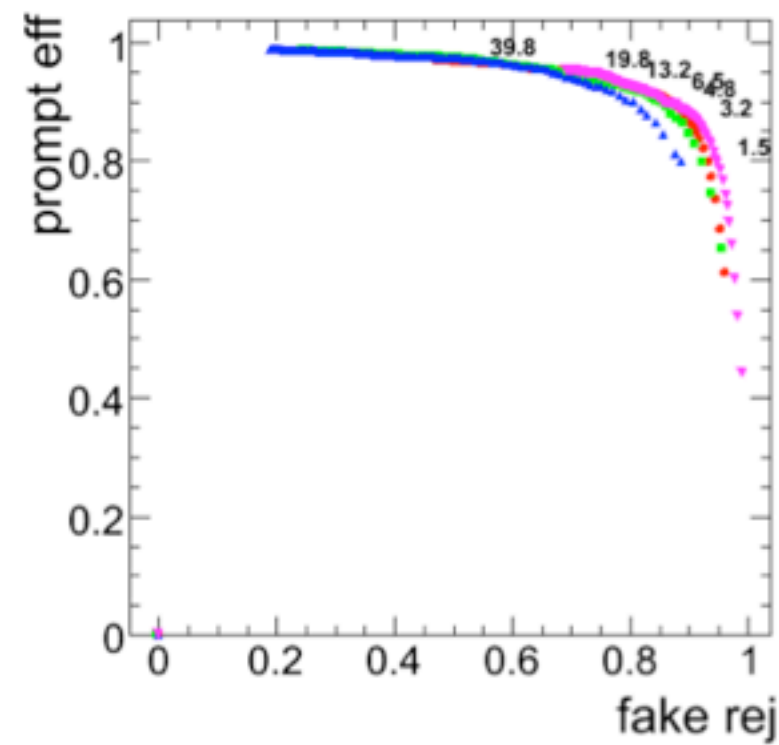
Electrons, 5 - 10 GeV



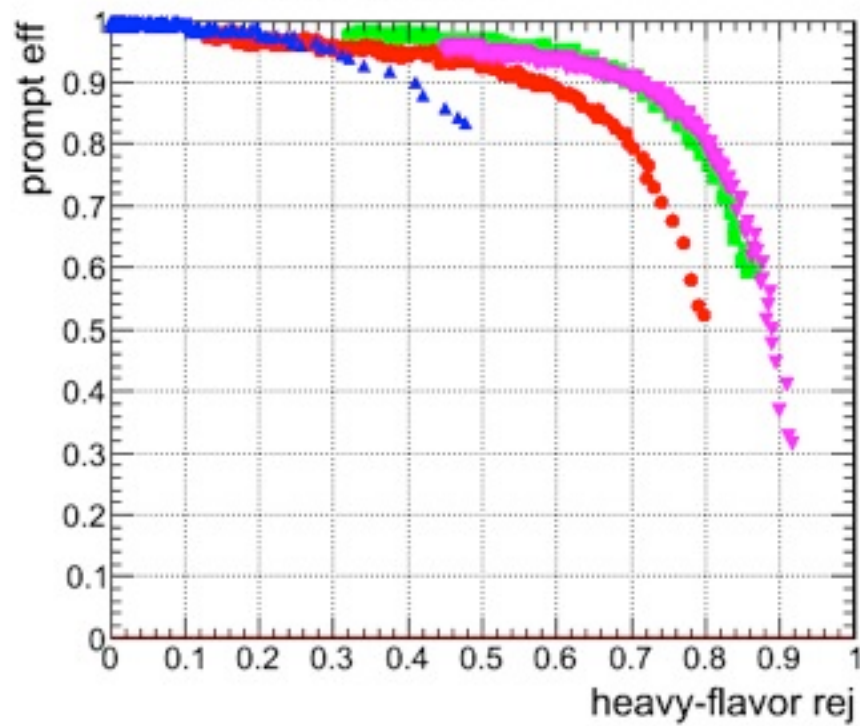
Muons, 3 - 6 GeV



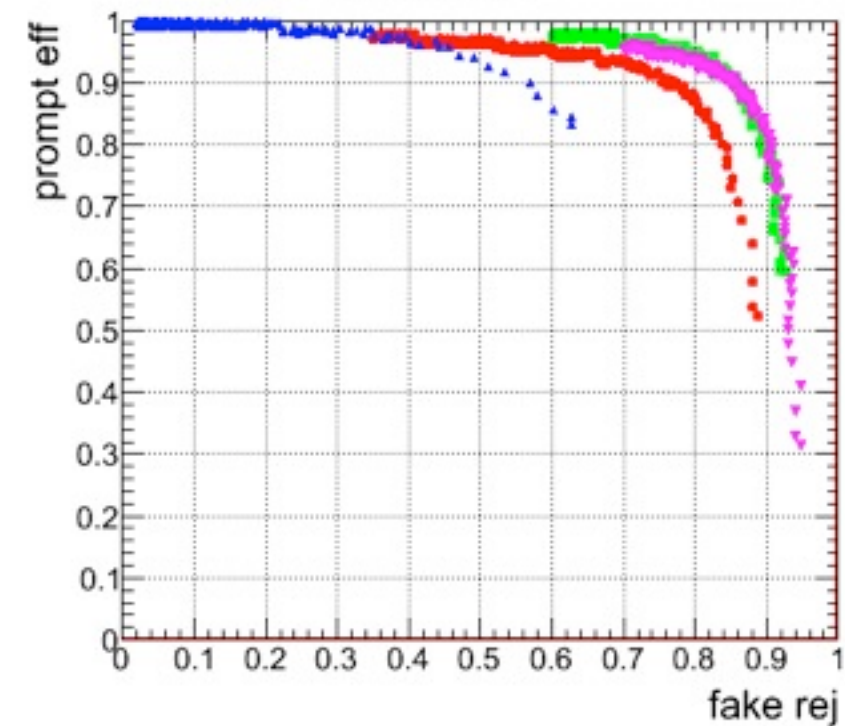
Muons, 3 - 6 GeV



particle flow muons

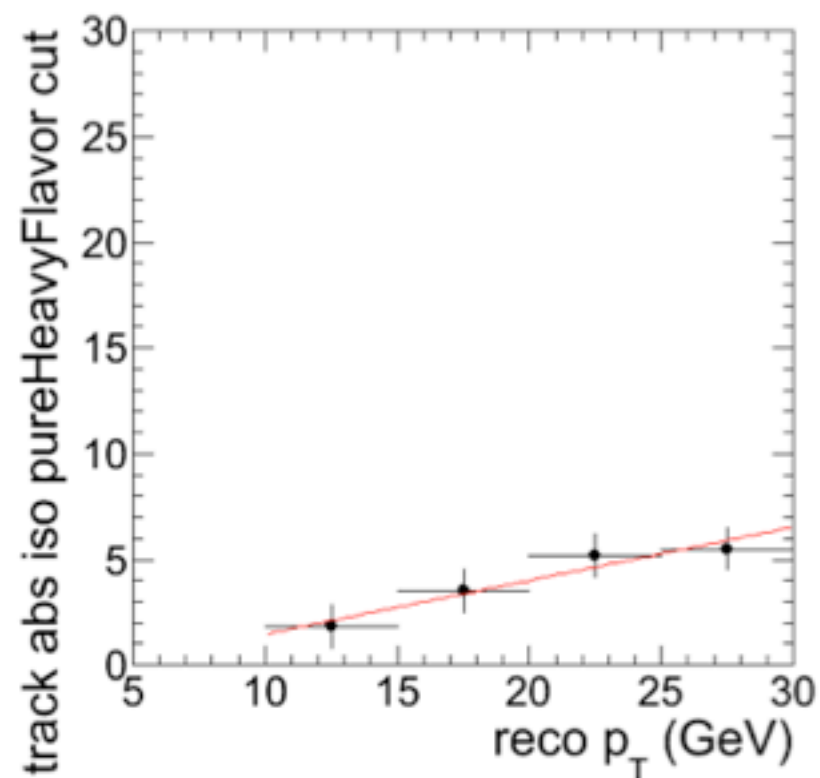


particle flow muons



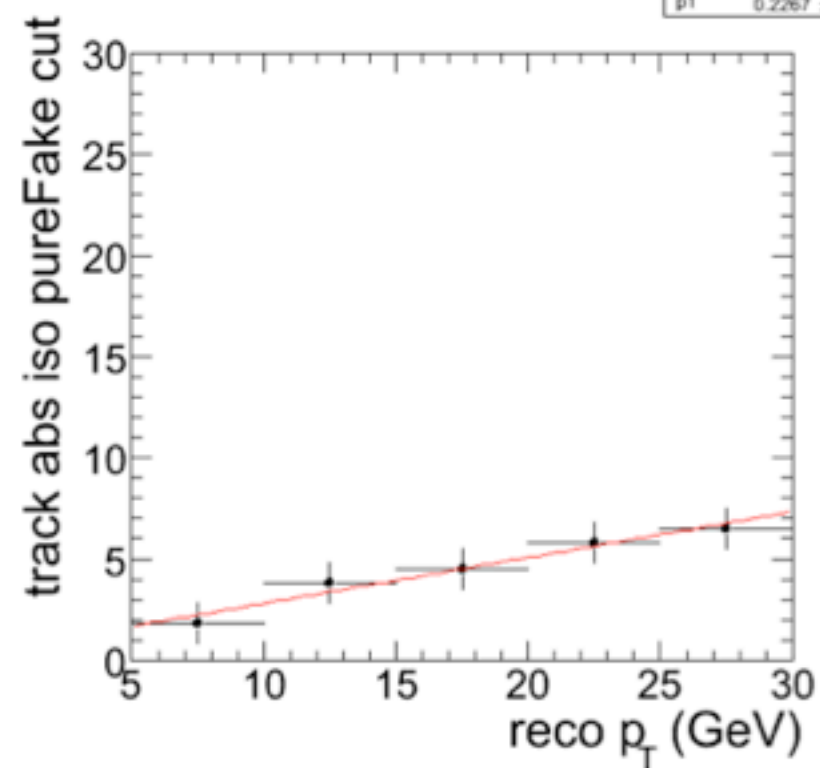
Electrons

χ^2 / ndf 0.5333 / 2
p0 -1.067 ± 1.857
p1 0.2533 ± 0.0894

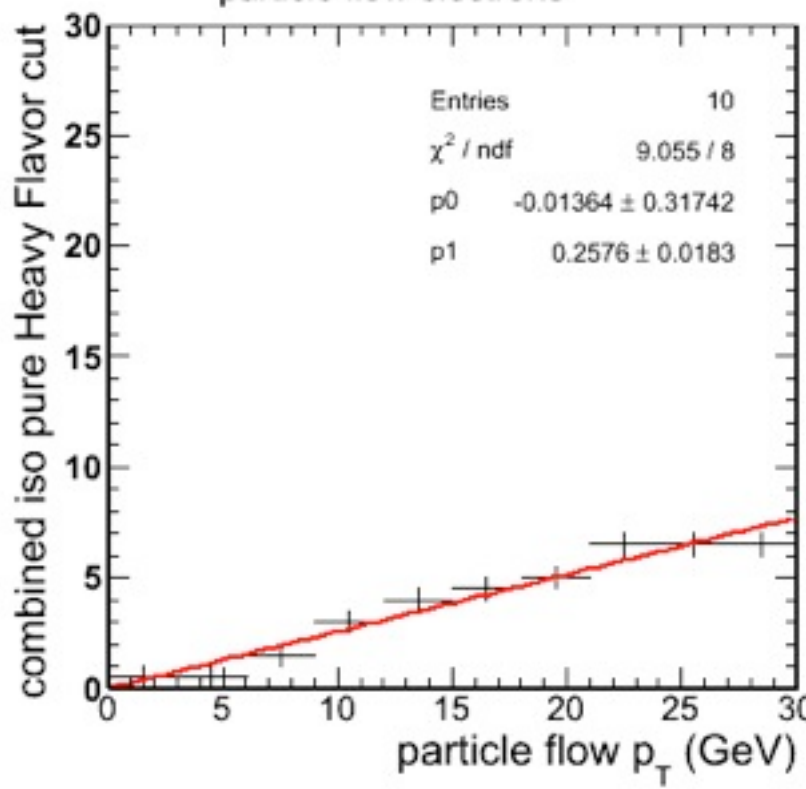


Electrons

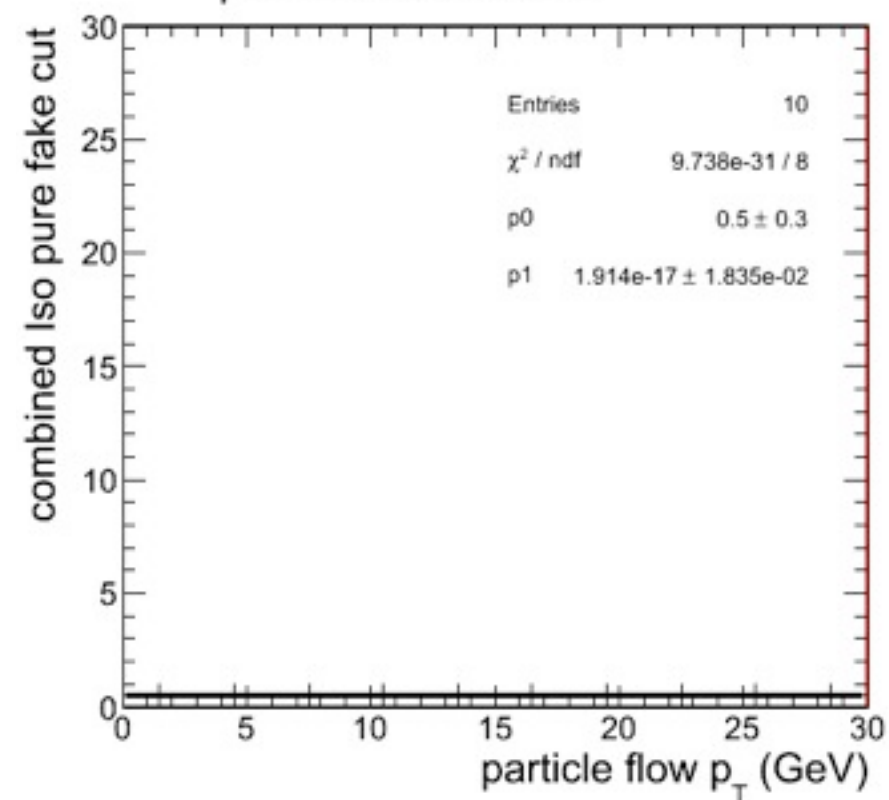
χ^2 / ndf 0.4889 / 3
p0 0.5333 ± 1.1937
p1 0.2267 ± 0.0632



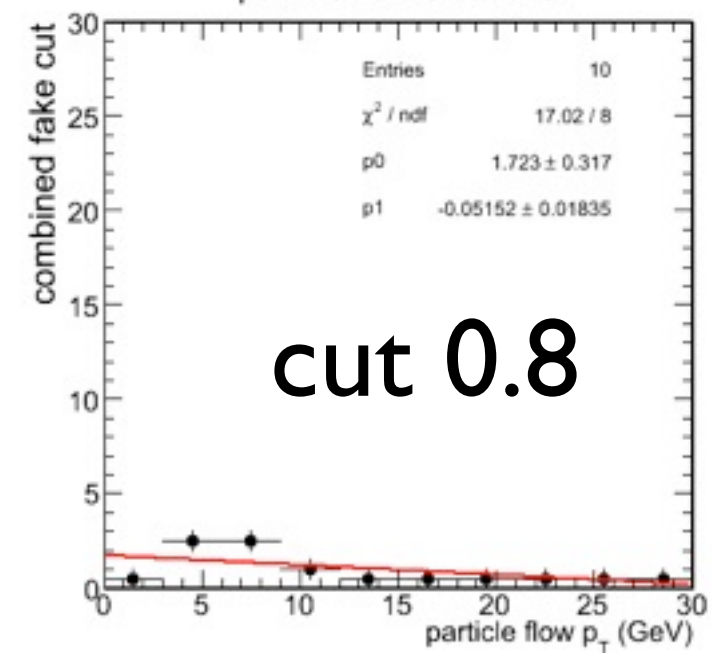
particle flow electrons



particle flow electrons



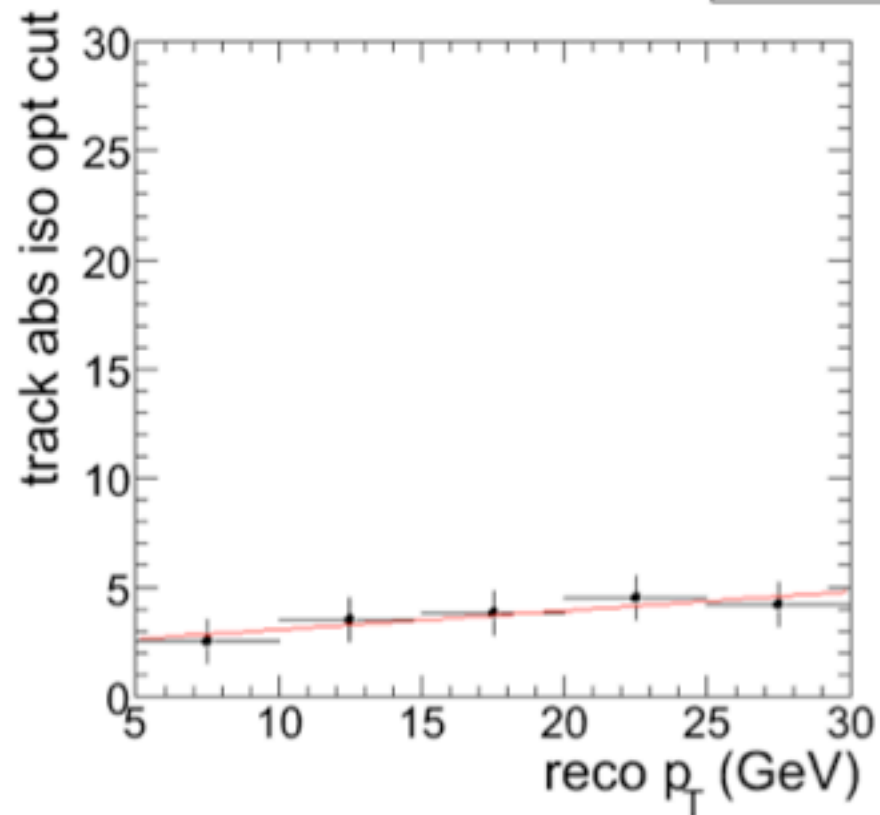
particle flow electrons



cut 0.8

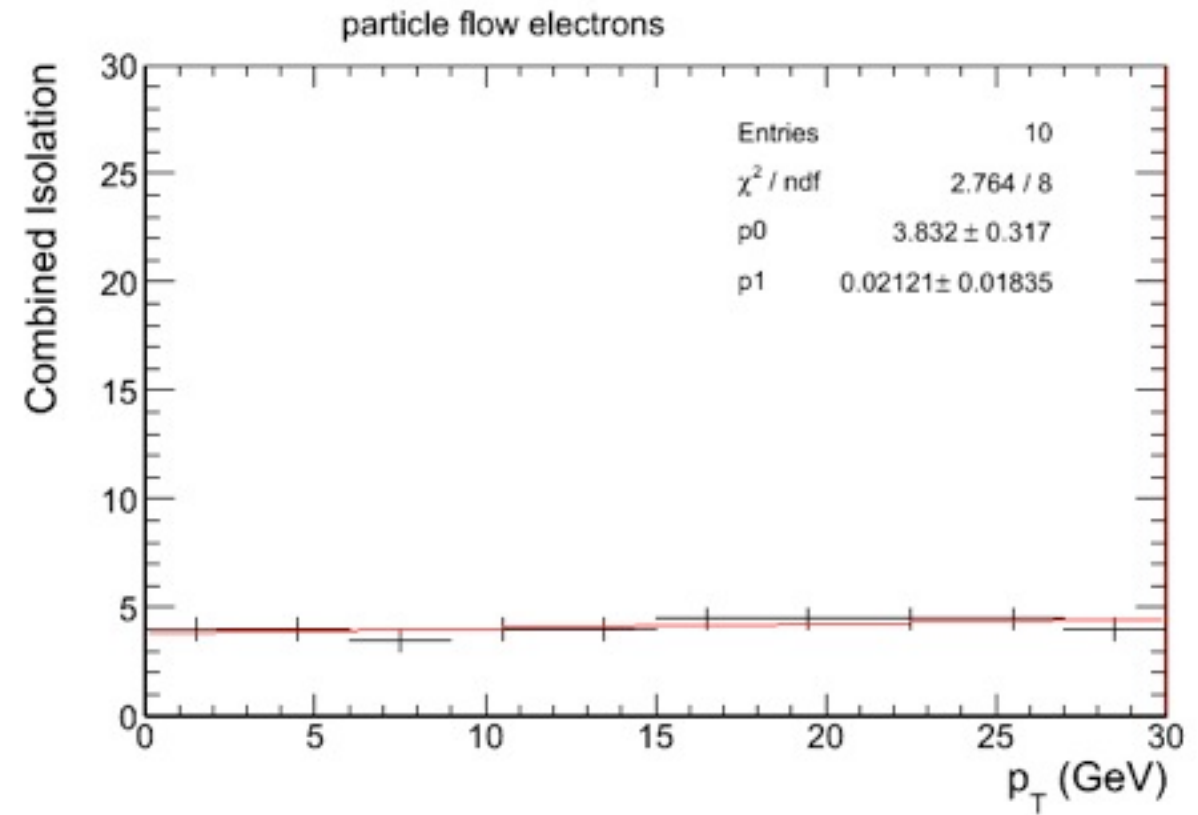
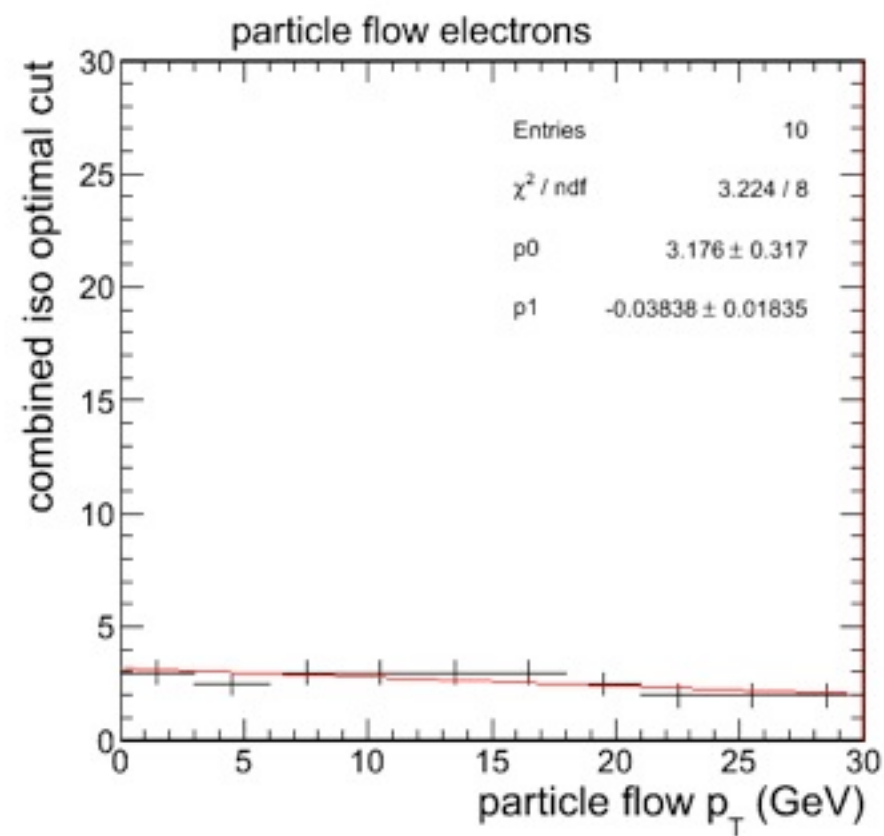
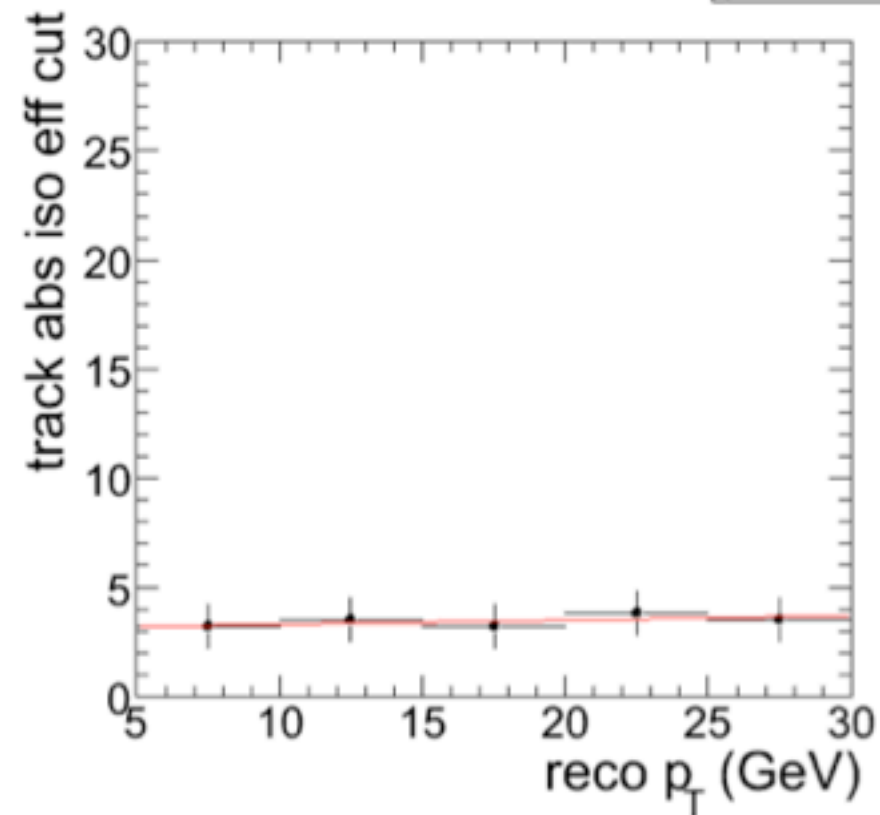
Electrons

χ^2 / ndf 0.4778 / 3
p0 2.183 \pm 1.194
p1 0.06667 \pm 0.06325

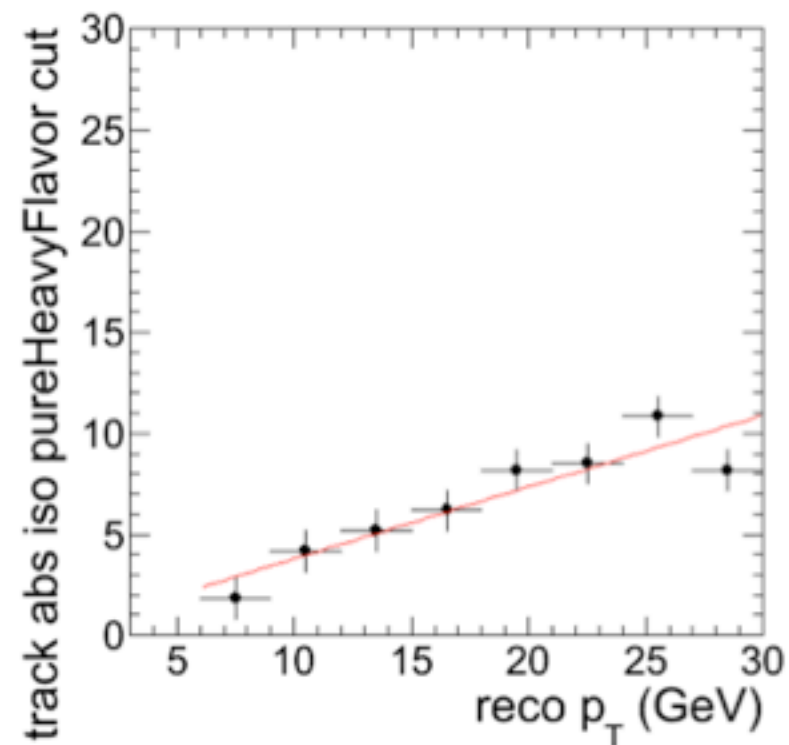


Electrons

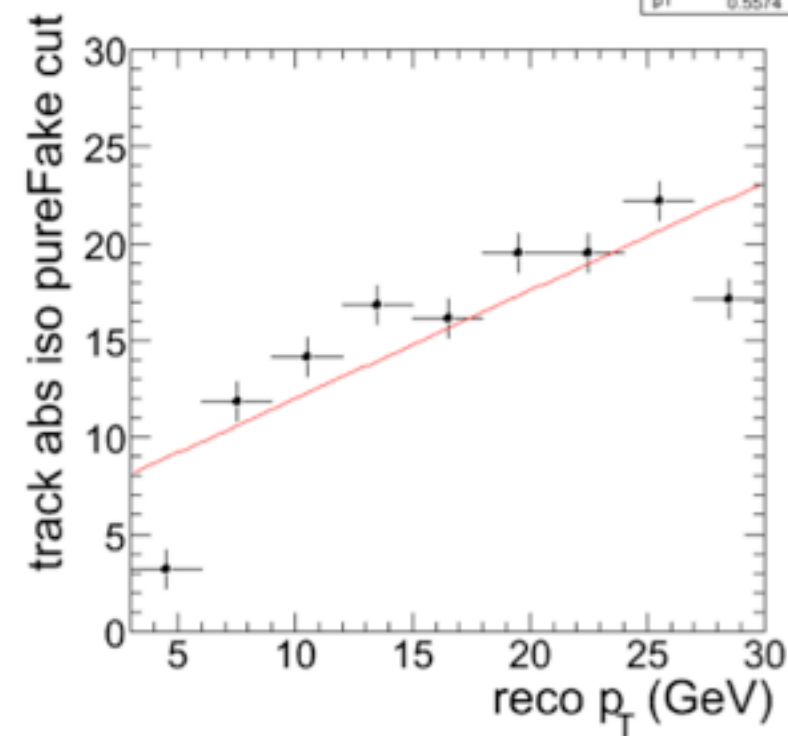
χ^2 / ndf 0.2111 / 3
p0 3.083 \pm 1.194
p1 0.02 \pm 0.06



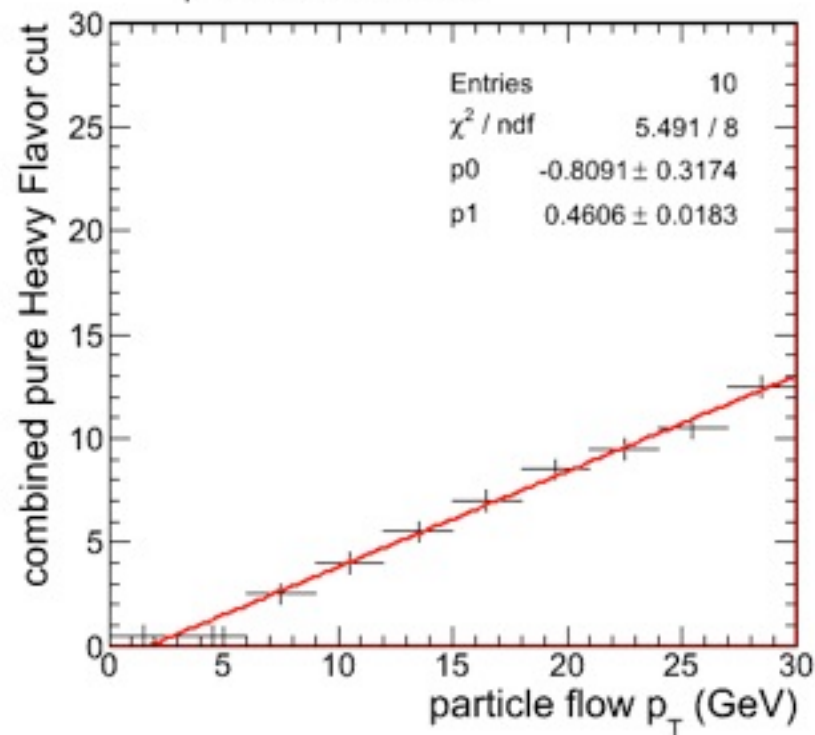
Muons



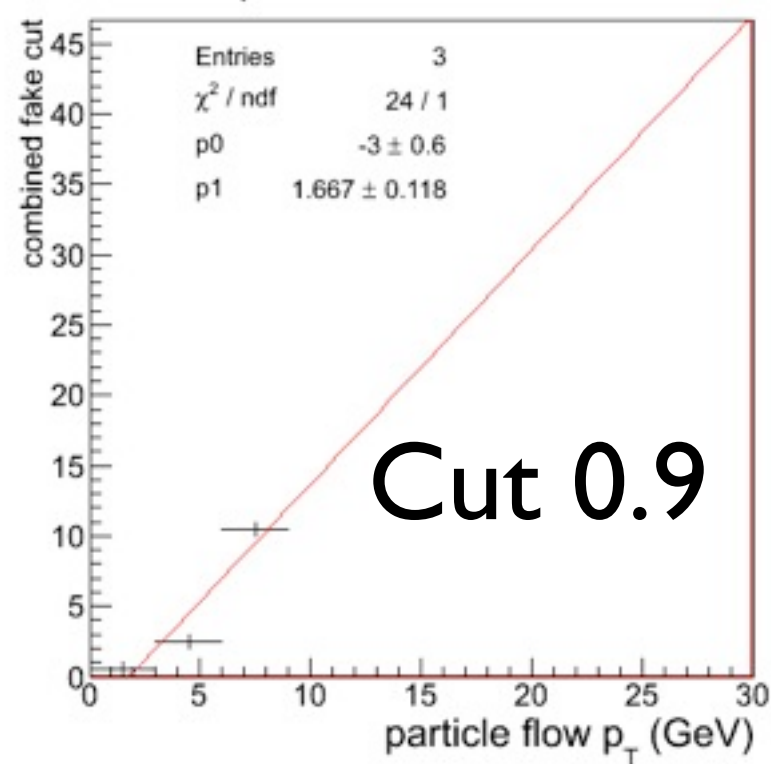
Muons



particle flow muons

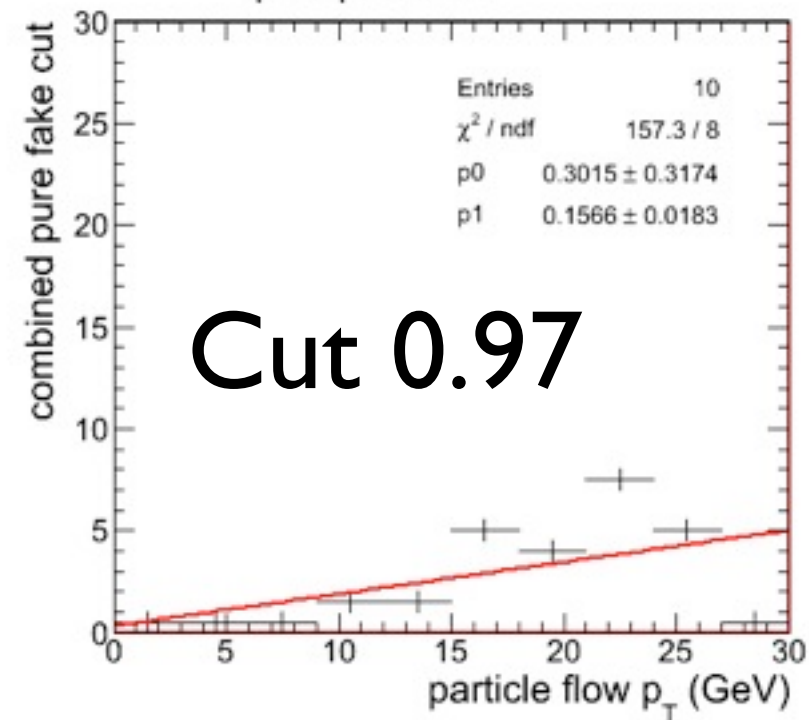


particle flow muons



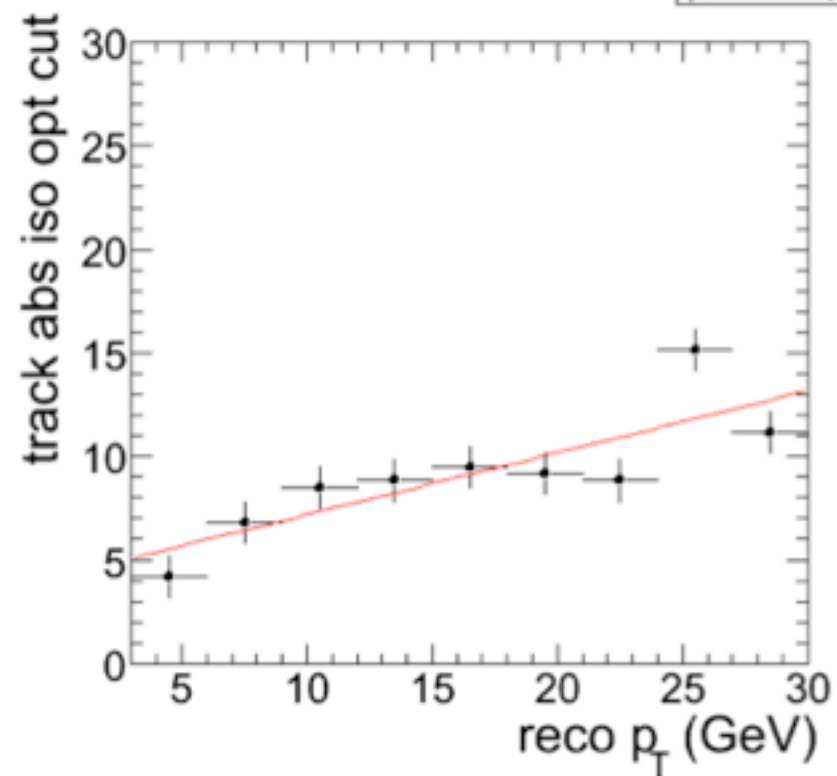
Cut 0.9

prompt muons

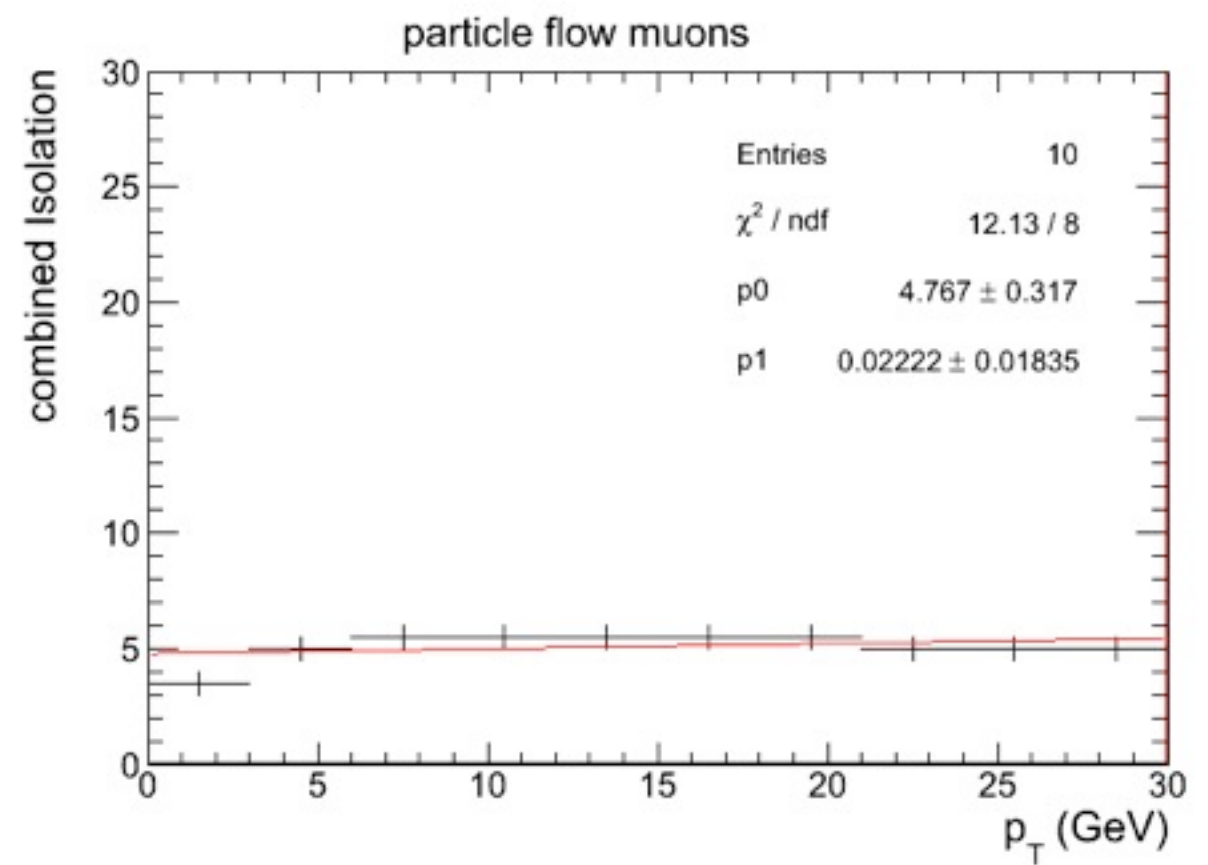
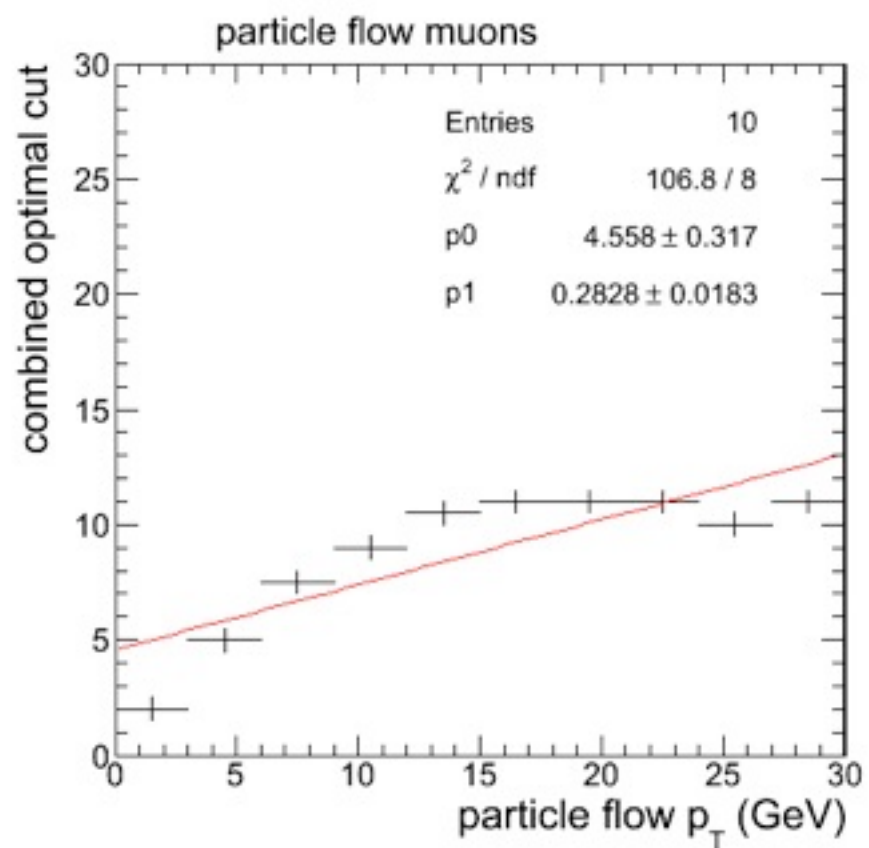
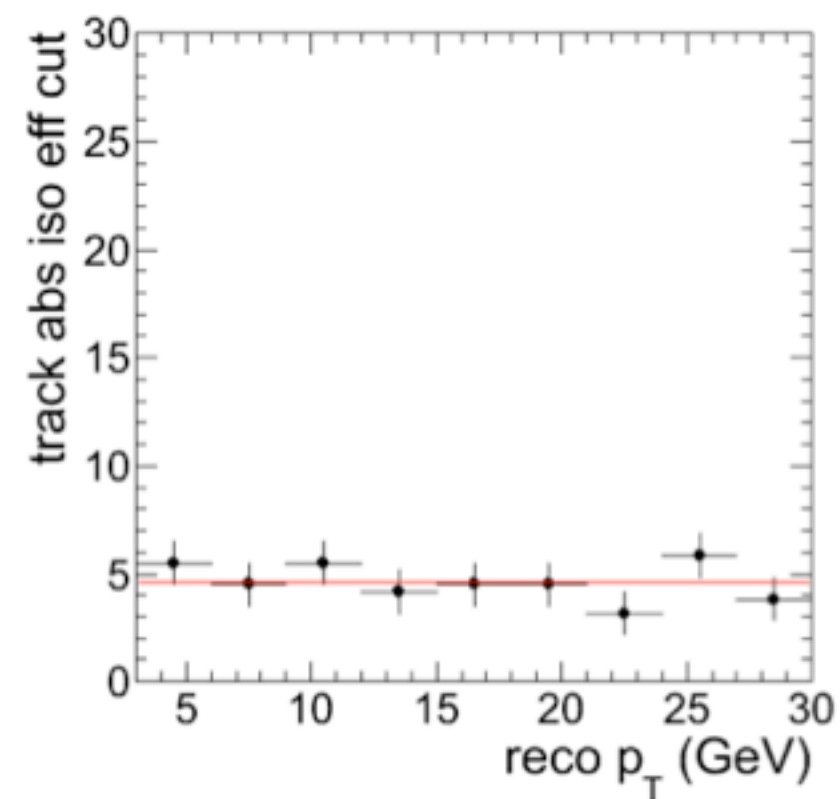


Cut 0.97

Muons



Muons



Sample	σ (pb)
LM0	110
LMI	16.06
QCD, 250 < pt < 500 GeV	400000
QCD, 500 < pt < 1000 GeV	14000
QCD, 1000 < pt < Inf GeV	370
W+ jets	40000
tt + jets	317
bb pt 30	60411000

Sample	e				mu			
	V+j pt10	SL opt:pt10	SL opt:pt5	SL opt:pt2	V+j pt10	SL opt:pt10	SL opt:pt5	SL opt:pt2
LM0	228.3	233.6	255.6	260.56	1241	1142	1760.1	2002.0
LMI	24.59	22.13	24.26	24.70	118.9	99.15	149.98	171.72
QCD 250-500								
QCD 500-1000								
QCD 10000-Inf								
bb pt30								
tt + jets								
w+ jets								
S/ \sqrt{B} LM0								
S/ \sqrt{B} LMI								